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Eingegangen		Fristablauf
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Zeichen/Ref./Réf. A190EP	Anmeldung Nr./Application No./Demande n°/Patent Nr./Patent No./Brevet n°. 02360333.5-1524-
Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire ALCATEL	

## COMMUNICATION

The European Patent Office herewith transmits as an enclosure the European search report for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

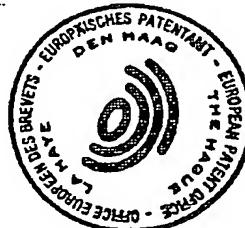
• The following specifications given by the applicant have been approved by the Search Division:

abstract       title

The abstract was modified by the Search Division and the definitive text is attached to this communication.

The following figure will be published together with the abstract:

1



## REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
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Y	* column 1, line 34 - column 2, line 6; figure 1 * * column 2, line 25 - column 3, line 1 * * column 4, line 24-36; figure 3 * * column 5, line 17-52; figure 6 * ---	2,4,5	
2. X	US 4 358 851 A (BURNHAM ROBERT D ET AL) 9 November 1982 (1982-11-09)	6	
Y	* column 1, line 34-50 *  * column 2, line 56 - column 3, line 16 * * column 3, line 46-66; figure 2 * * column 4, line 19-52 * ---	2,4,5, 7-10	
3. X	US 5 863 449 A (GRABBE DIMITRY G) 26 January 1999 (1999-01-26)	6	
A	* column 2, line 8-10 * * column 2, line 47 - column 3, line 8 * * column 3, line 18-51 * ---	1-5,7-10	
4. Y	US 5 037 180 A (STONE JULIAN) 6 August 1991 (1991-08-06)	7-10	G02B
A	* column 2, line 57 - column 3, line 7 * * column 3, line 57 - column 4, line 15 * * figures 1,5,6 * ---	1-5	
5. A	WO 02 084353 A (BRUEL MICHEL ;OPSITECH OPTICAL SYSTEM ON A C (FR)) 24 October 2002 (2002-10-24) * page 3, line 26-28 * * page 7, line 1 - page 8, line 8 * * figures 7,8 * ---	1-5	
6. A	EP 1 079 252 A (LUCENT TECHNOLOGIES INC) 28 February 2001 (2001-02-28) * paragraphs '0016!-'0021! * -----	1-5,7-10	
3	The present search report has been drawn up for all claims		
EPO FORM 1503 03.82 (P04C01)	Place of search	Date of completion of the search	Examiner
	BERLIN	12 May 2003	Fazio, V
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			
T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.

EP 02 36 0333

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on. The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

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## ABSTRACT / ZUSAMMENFASSUNG / ABREGE

02360333.5

A planar lightwave circuit (PLC) (1;20) comprises an optical device, where the optical device comprises at least one segment of fiber (5;24) which has at least one thin film layer deposited on an end-facet (9;28). Thus, a thin film filter can be integrated in a PLC with minimized insertion loss and high mechanical stability for athermalization. A method of producing fiber segments with coated end-facet is also disclosed.